

Dear Sir,

London April 12. 1825

I had the honor to receive your communication relative to the arrival & erection of Fraunhofer's large telescope; which I laid before the Astronomical Society of London, & which, being read at their meeting, they have directed to be printed in the ensuing volume of their memoirs. — They have unanimously voted you their thanks for the same; & I am sure they will be happy to receive from you, any further remarks on its powers & execution: or on any other subject which you may think sufficiently important to communicate.

It is a rule with the society to send 24 copies of each paper to the respective authors of the same: & I have, agreeably to that regulation, appropriated 24 copies of your paper to your use. — But, conceiving that you would wish to distribute some of them, in this part of the world, & presuming that I should be meeting your wishes if I undertook a portion of that task, I have sent 15 to the several names undermentioned\*. The remaining 9, I have forwarded to M. Schumacher, with a request that he would take an early opportunity of forwarding them to you; unless he should think it advisable to give away any more of them to astronomers in Germany. I trust therefore that you

\* Messrs. Herschel, South, Baily, Froughton, Arago, Bouvard, Gass, Brinkley, Schumacher, Bessel, Olivas, Gauss — & the Astronomers of Oxford, Cambridge & Edinburgh Universities.

14 will receive from him the above mentioned 9; or such portion of them as may remain in his hands.

Respecting the volumes of the Memoirs of the Astronomical Society, I beg leave to state to you that every associate is entitled to a copy, gratis; and M<sup>r</sup> Herschel (our foreign Secretary) informs me that he forwarded you a copy some time ago, through the Russian Minister; who promised to send it carefully to you. I trust that by this time you have received it safe. And, I will undertake that another copy shall be sent.

The instruments made by Fraunhofer & Reichenbach are but little known in this country: & in fact are known only by descriptions: for I do not think that even one of his celebrated instruments was ever seen here. Under these circumstances, we are anxious to obtain all the information respecting them that we are able, in order that we may stimulate our countrymen to similar exertions.

With respect to the manufactory of glass, we are under considerable difficulties, on account of the high duty which is paid to Government; & which prevents our manufacturers from making experiments on the quality of such as is fit for telescopes. But, we have recently obtained a licence from Government, for a remission of duties on such experimental enquiries; and the Royal Society has appointed a Committee to superintend the execution of some specimens of large glass for the object lens of telescopes. I hope, in a short time, we shall rival Fraunhofer's manufactory.

You have probably seen, in some of the public journals, that a powerful attack has been made on the accuracy of the Greenwich observations for 1821. Since that time, a further attack has been made on the observations for 1822. The Journal of the Royal Society is now engaged with this

subject; which I fear will not redound to the credit of Mr. Pond, or his  
assistants.

Mr. Schumacher informs me that my list of moon-culminating stars  
for 1825, is too numerous; & that the attention of astronomers will be  
divided, on account of its differing from the list given by him. I  
fear there is some truth in this remark; & in future it will be better  
to have fewer stars, & that the selection should be made by only one  
person. I am now forming a list of all the known stars, not less  
than the 7.<sup>th</sup> magnitude, situated within  $10^{\circ}$  of the ecliptic, and  
reduced to the year 1830: which I shall print & circulate amongst  
astronomers, for the purpose of making the annual selections, above  
alluded to. —

I have the honor to be, with the greatest respect for your  
eminent talents, & personal worth,

Yours very Obedt.  
Francis Bailey

WA

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 FRANKFURT  
 25 FEB 1864

HAMBURG


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Herrn! Professor Dr. Strömer

Kais. Universität zu Bonn

Dr. Strömer

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